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› Kreg KMA4100 Crosscut Station Circular Saw Guide User Manual

## Kreg KMA4100

# Kreg KMA4100 Crosscut Station Circular Saw Guide User Manual

Model: KMA4100 | Brand: Kreg

## INTRODUCTION

The Kreg KMA4100 Crosscut Station is a versatile circular saw guide designed for precise and efficient woodworking. It enables users to make quick, accurate, and angled cuts on materials up to 44mm thick and 305mm wide. The guide supports angle adjustments up to 45 degrees. Its MDF base allows for a custom kerf, ensuring optimal alignment with your circular saw. It is compatible with circular saws having a base plate width of 184mm or less and a cutting depth of 51mm or more, provided the base plate sides are parallel and free of protrusions.

## SETUP

### 1. Unpacking and Inspection

Carefully unpack all components. Verify that all parts are present and undamaged. Refer to the packing list for a complete inventory.

### 2. Assembling the Guide

Place the MDF base on a stable, flat workbench. Attach the guide rails securely according to the included hardware. Ensure all fasteners are tightened to prevent movement during operation.



Image showing the Kreg Crosscut Station assembled on a workbench, with a piece of wood positioned for cutting. The guide rails are visible, indicating the path for the circular saw.

### **3. Attaching Your Circular Saw**

Ensure your circular saw meets the compatibility requirements: base plate width 184mm or less, cutting depth 51mm or more, and parallel base plate sides without protrusions. Securely attach your circular saw to the guide's carriage. Follow your circular saw's manual for proper attachment to accessories.

### **4. Making the Initial Kerf Cut**

Before first use, an initial cut must be made to create a custom kerf in the MDF base. This ensures precise alignment with your saw blade. Secure a scrap piece of wood to the guide. With the saw attached, make a slow, controlled cut through the MDF base. This establishes the exact cutting line for future use.



A circular saw is shown making the initial kerf cut through the MDF base of the Kreg Crosscut Station. This step customizes the guide to the specific saw blade for accurate cuts.

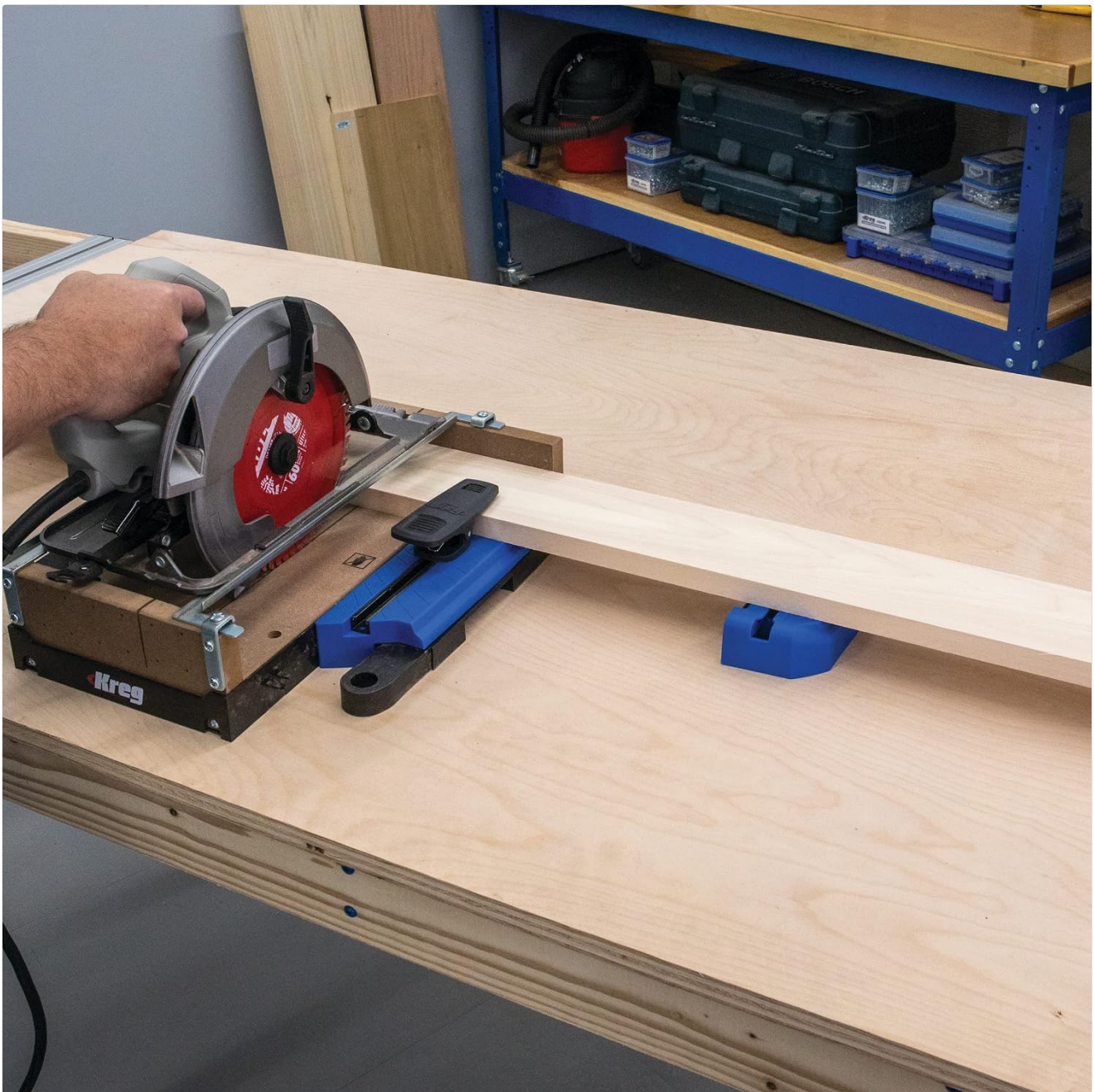
## OPERATING INSTRUCTIONS

### 1. Safety First

Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask. Ensure the workpiece is securely clamped to the workbench and the Crosscut Station is stable. Keep hands clear of the saw blade path.

### 2. Positioning the Workpiece

Place the material to be cut on the workbench and against the fence of the Crosscut Station. Ensure the cutting line on your material aligns with the kerf in the MDF base. For wider materials, use additional clamps to secure the workpiece.



The Kreg Crosscut Station is set up on a workbench with a long wooden board positioned for a cut. This illustrates proper workpiece placement before operation.

### **3. Making Straight Crosscuts**

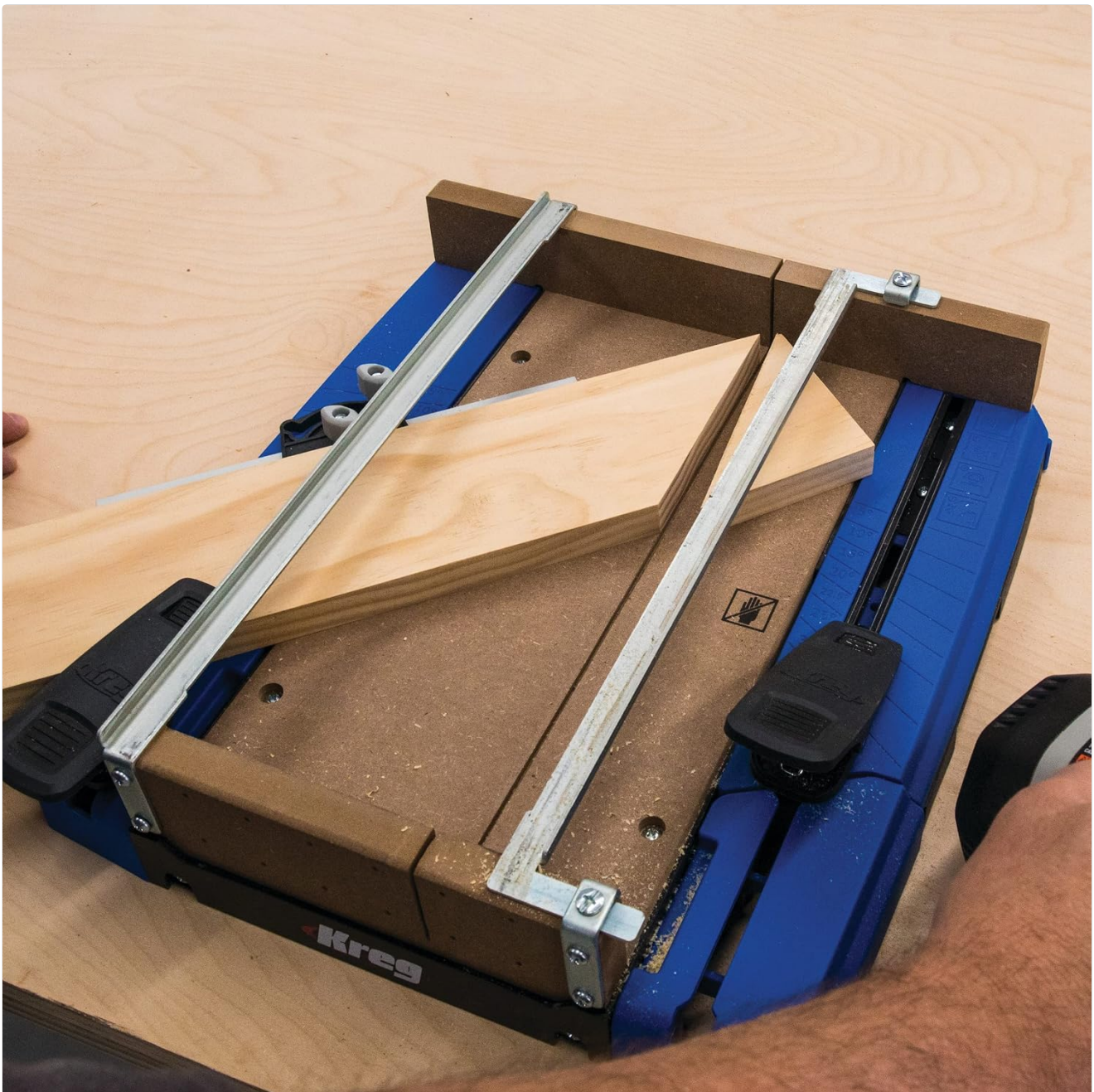
With the workpiece secured, firmly hold the circular saw on the guide rails. Engage the saw blade and slowly push the saw through the material, following the guide rails. Maintain a consistent speed for a clean cut. Allow the blade to stop completely before lifting the saw.



A user is operating a circular saw with the Kreg Crosscut Station to make a straight cut on a wide wooden board, demonstrating the guide's capacity for larger materials.

#### **4. Making Angled Cuts (Miter Cuts)**

The Crosscut Station allows for angled cuts up to 45 degrees. Adjust the angle setting on your circular saw to the desired degree. Ensure the saw is securely set at the angle. Position the workpiece and make the cut as described for straight cuts, maintaining control and a steady pace.



A circular saw is shown making an angled cut using the Kreg Crosscut Station. The guide facilitates precise miter cuts for various woodworking projects.

## MAINTENANCE

### 1. Cleaning

After each use, clear sawdust and debris from the guide rails and MDF base. Use a brush or compressed air. Avoid using harsh chemicals that could damage the materials.

### 2. Inspection

Regularly inspect the guide rails, clamps, and MDF base for any signs of wear, damage, or loose fasteners. Replace worn parts as necessary to maintain accuracy and safety.

### 3. Storage

Store the Kreg Crosscut Station in a clean, dry environment, away from direct sunlight and extreme temperatures. Proper storage helps prolong the life of the tool.

## TROUBLESHOOTING

### Issue: Inaccurate Cuts

- Check if the circular saw is securely attached to the guide carriage.
- Ensure the workpiece is firmly clamped and not shifting during the cut.
- Verify that the initial kerf cut was made correctly and the saw blade aligns with it.
- Inspect guide rails for damage or debris.

### Issue: Saw Not Sliding Smoothly

- Clean the guide rails and the saw's base plate thoroughly.
- Apply a dry lubricant (e.g., silicone spray) to the guide rails if needed, ensuring it does not affect the workpiece.

### Issue: Material Tear-out

- Ensure your saw blade is sharp and appropriate for the material being cut.
- Reduce cutting speed.
- Consider using a zero-clearance insert if your saw allows, or a sacrificial fence to minimize tear-out.

## SPECIFICATIONS

<b>Brand</b>	Kreg
<b>Model Number</b>	KMA4100
<b>Product Dimensions (L x W x H)</b>	41.9 cm x 23.5 cm x 13 cm (16.5 in x 9.25 in x 5.1 in)
<b>Product Weight</b>	3.65 kg (8.04 lbs)
<b>Maximum Material Thickness</b>	44 mm (1.75 in)
<b>Maximum Material Width</b>	305 mm (12 in)
<b>Adjustable Cutting Angle</b>	Up to 45 degrees
<b>Compatible Circular Saw Base Plate Width</b>	184 mm (7.25 in) or less
<b>Compatible Circular Saw Cutting Depth</b>	51 mm (2 in) or more
<b>Base Material</b>	MDF
<b>Features</b>	Portable

## **WARRANTY AND SUPPORT**

Kreg products are designed for durability and performance. For specific warranty information, please refer to the documentation included with your purchase or visit the official Kreg website. For technical support, replacement parts, or further assistance, contact Kreg customer service through their official website or authorized distributors.